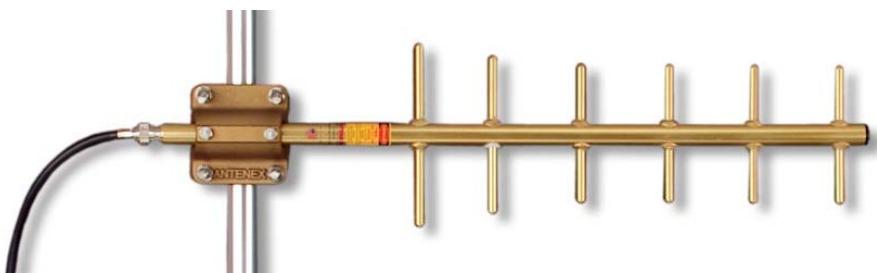


Product Specification

TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded
6 elements 9dBd Directional Yagi

Part #: **Y(B)8966**
 Memo: Spec
 Page: 1 of 4
 Date: 3/10/2006



ELECTRICAL

Frequency Range: 896 - 970 MHz

Frequency Bandwidth: 74 MHz

VSWR: < 2.0:1

Return Loss: -10dB max

Nominal Gain: 9 dBd

Front to Back Ratio: 20 dB

Maximum Power: 300 W

Nominal Impedance: 50Ω

Polarization: Vertical or Horizontal

Pattern: Directional

Horizontal Beamwidth: 56°
(For Horizontal Polarization)

Vertical Beamwidth: 52°
(For Vertical Polarization)

Tuning: Fixed Tune

Transmitting / Receiving: Both

MOUNTING

Included: Heavy Duty Cast mount bracket accommodates 7/8" mast

MECHANICAL

Material: Aluminum

Length: 27.688"

Height: 6.75"

Boom Diameter: 0.875"

Weight: 3.9 lbs

Rated Wind Velocity: 150mph (241kph)

Rated Wind Velocity (with 0.5" radial ice)
80mph (130kph)

Equivalent Flat Area: 0.2492 sq. ft.

Cable: None

Termination: N-female connector

Color: Gold or Black Anodized

Lightning Protection: Lightning Arrestor LABH350NN
(Sold Separately)





ANTENEX[®]

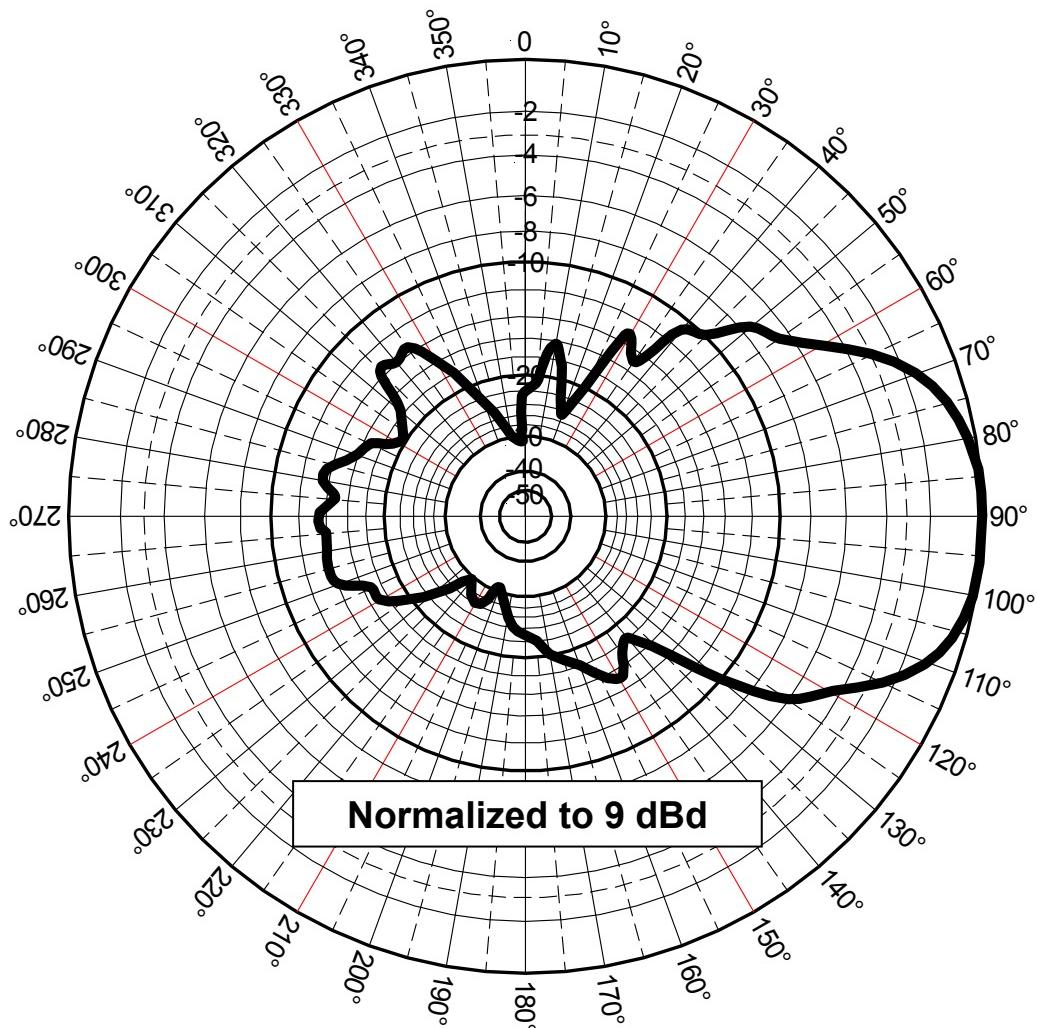
SIGNAL
PROPAGATION
SYSTEMS
INC.

Product Specification

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ANTENNA RADIATION PATTERN



**Vertical-to-Vertical Polarization
Azimuthal Pattern (X, Y or E-Plane)**



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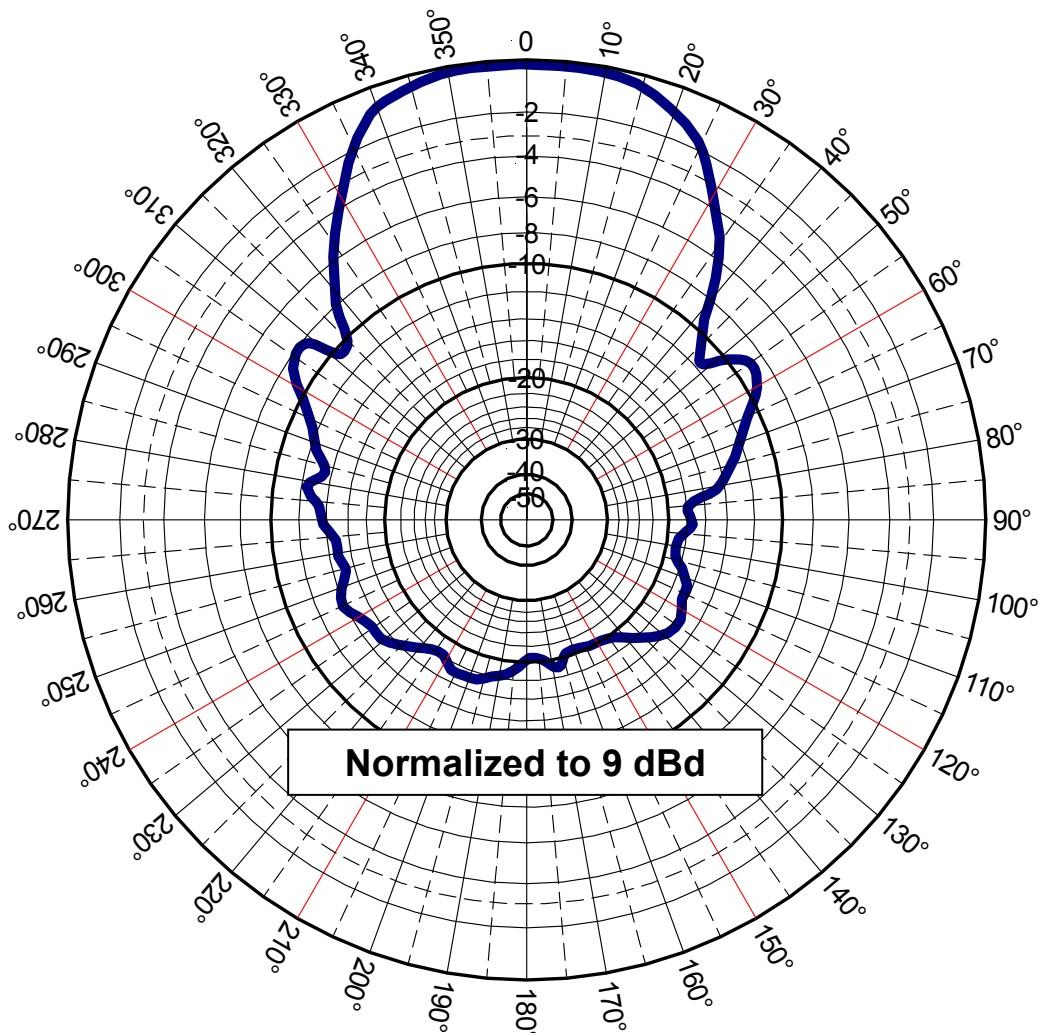
SIGNAL
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Product Specification

TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded
6 elements 9dBD Directional Yagi

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Page: 3 of 4
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ANTENNA RADIATION PATTERN



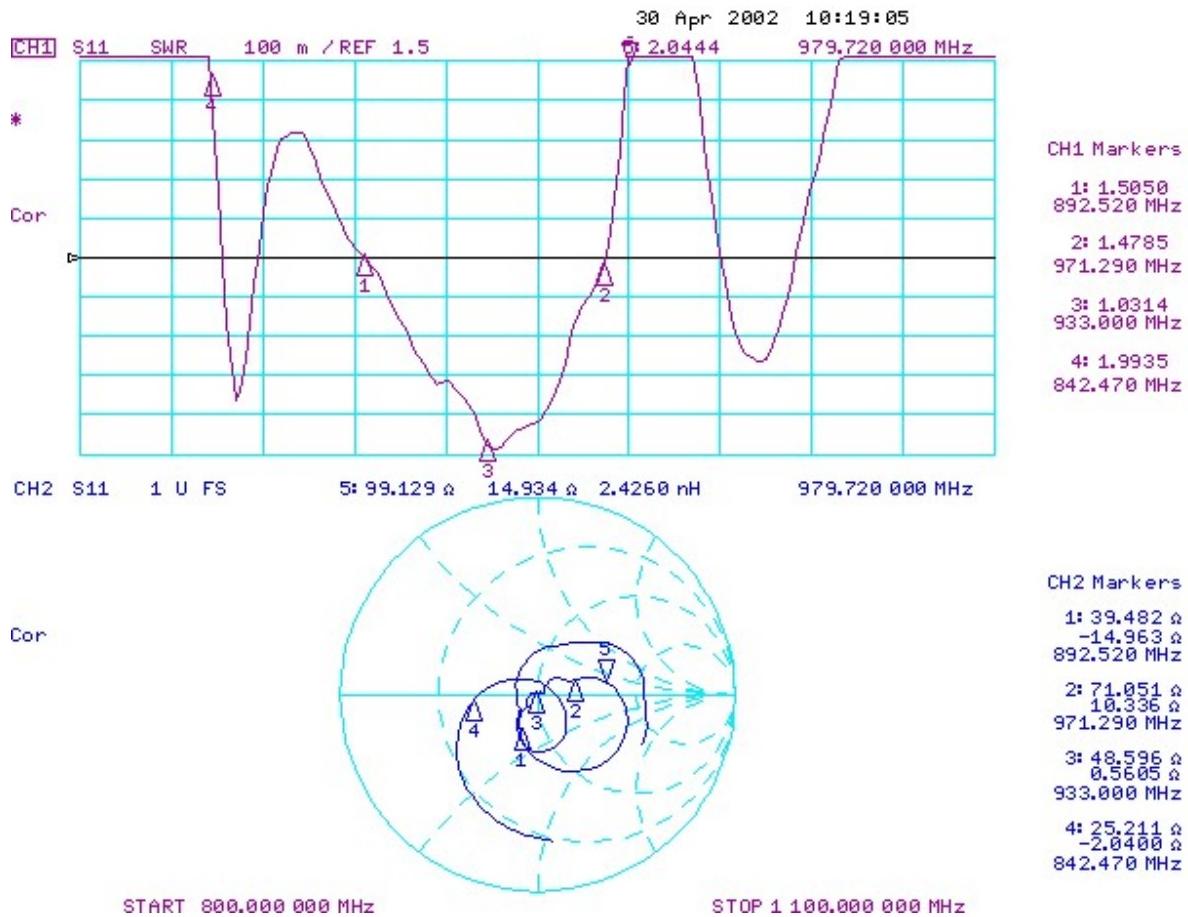
**Horizontal-to-Horizontal Polarization
Elevation Pattern (Y, Z or H-Plane)**

Product Specification

TITLE: Y(B)8966 Black or Gold anodized 896-970MHz fully welded 6 elements 9dBi Directional Yagi

Part #: **Y(B)8966**
 Memo: Spec
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 Date: 3/10/2006

VSWR of Y8966



Y8966 Typical VSWR sweeps – Primary Specifications

- Marker 1: 1.5050 to 1 @ 892 MHz
- Marker 2: 1.4785 to 1 @ 971 MHz
- Marker 3: 1.0314 to 1 @ 933 MHz

Y8966 Typical VSWR sweeps – Secondary Specifications

- Marker 4: 1.9935 to 1 @ 842 MHz
- Marker 5: 2.0444 to 1 @ 979 MHz

12/19/2002